



**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

TRAFFIC OPERATIONS DIVISION
SUITE 1800, JAMES K. POLK BUILDING
505 DEADERICK STREET
NASHVILLE, TENNESSEE 37243-1402
(615) 253-1122

CLAY BRIGHT
COMMISSIONER

BILL LEE
GOVERNOR

TO: Will Reid, Assistant Chief Engineer of Operations

FROM: ⁷²Brad Freeze, Director of Traffic Operations

SUBJECT: **Proprietary Item Request and Justification**
Putnam County

- 1) **Traffic Signal Controllers and Malfunction Management Units (MMU)**
- 2) **Traffic Signal Network Switches**
- 3) **Traffic Signal Standalone Quadrupole Loop Detectors**
- 4) **Traffic Signal Emergency Vehicle Preemption Equipment**

- 1) **Traffic Signal Controllers and Malfunction Management Units (MMU):** Putnam County is requesting that Siemens controllers and the Eberle Design, Inc. (EDI) Malfunction Management Units (MMU) be used in all signalization projects within their County's jurisdiction over the next three years where Federal and/or State funding are used. The following are justification items for this request:

All of the traffic signals in Putnam County are currently maintained by the City of Cookeville. As a result of these multi-jurisdictional maintenance activities, Putnam County is requesting to use Siemens controllers and the Eberle Design, Inc. (EDI) Malfunction Management Units (MMU) since this type of traffic signal controller and MMU is currently approved for proprietary status with the City of Cookeville.

- 2) **Traffic Signal Network Switches:** Putnam County is requesting that Siemens network switches be used in all signalization projects within their County's jurisdiction over the next three years where Federal and/or State funding are used. The following are justification items for this request:

All of the traffic signals in Putnam County are currently maintained by the City of Cookeville. As a result of these multi-jurisdictional maintenance activities, Putnam County is requesting to use Siemens network switches since this type of traffic signal network switch is currently approved for proprietary status with the City of Cookeville.

- 3) **Traffic Signal Standalone Quadropole Loop Detectors:** Putnam County is requesting that Eberle Design, Inc. (EDI) Standalone Quadropole Loop Detectors be used in all signalization projects within their County's jurisdiction over the next three years where Federal and/or State funding are used. The following are justification items for this request:

All of the traffic signals in Putnam County are currently maintained by the City of Cookeville. As a result of these multi-jurisdictional maintenance activities, Putnam County is requesting to use Eberle Design, Inc. (EDI) Standalone Quadropole Loop Detectors since this type of standalone quadropole loop detector is currently approved for proprietary status with the City of Cookeville.

- 4) **Traffic Signal Emergency Vehicle Preemption Equipment:** Putnam County is requesting that Tomar Strobecom emergency vehicle preemption equipment be used in all signalization projects within their County's jurisdiction over the next three years where Federal and/or State funding are used. The following are justification items for this request:

All of the traffic signals in Putnam County are currently maintained by the City of Cookeville. As a result of these multi-jurisdictional maintenance activities, Putnam County is requesting to use Tomar Strobecom emergency vehicle preemption equipment since this type of emergency vehicle preemption equipment is currently approved for proprietary status with the City of Cookeville.

I, Brad Freeze, Director of the Traffic Operations Division of the Tennessee Department of Transportation, do hereby certify that in accordance with the requirements of 23 CFR 635.411(a) (2) that the patented or proprietary items listed above are essential for the synchronization of existing facilities.


Assistant Chief Engineer of Operations


Date

Putnam County Highway Department
Randy Jones, Putnam County Road Supervisor
505 East Veterans Drive
Cookeville, Tennessee 38501
Phone: 931-526-4864 – Fax: 931-520-7637
pchwydept@putnamcountyttn.

June 18, 2019

Mr. Steve Bryan, P.E.
Traffic Operations Division, Traffic Engineer
Tennessee Department of Transportation
James K. Polk Bldg., 12th Floor
505 Deaderick Street
Nashville, TN 37243-0348

Re: Request for Proprietary Traffic Signalization Components Certification

Mr. Bryan:

Putnam County is requesting certification to specify Siemens controllers and network switches, EDI conflict monitors, quadrupole loops for vehicle detection and Tomar Strobecom 11 or newer for emergency preemption to be used as part of any signalization project in Putnam County that uses state or federal funds.

This equipment would be the same as we are presently using or what the City of Cookeville uses. The City of Cookeville performs maintenance on our traffic signals.

Thank you for your consideration of this request.

If you have any questions concerning this, please contact me.

Sincerely,

A handwritten signature in black ink that reads "Randy Jones". The signature is written in a cursive, flowing style with a large, prominent "R" and "J".